

$$NHV_{dil} = \frac{Q_{vg} \times Diam \times NHV_{vg}}{(Q_{vg} + Q_s + Q_{a,premix} + Q_{a,perimeter})}$$

Where:

$NHV_{dil}$  = Net heating value dilution parameter, Btu/ft<sup>2</sup>.

$NHV_{vg}$  = Net heating value of flare vent gas determined for the 15-minute block period, Btu/scf.

$Q_{vg}$  = Cumulative volumetric flow of flare vent gas during the 15-minute block period, scf.

$Diam$  = Effective diameter of the unobstructed area of the flare tip for flare vent gas flow, ft. Use the area as determined in paragraph (k)(1) of this section and determine the diameter as  $Diam = 2 \times \sqrt{Area/\pi}$ .

$Q_s$  = Cumulative volumetric flow of total steam during the 15-minute block period, scf.

$Q_{a,premix}$  = Cumulative volumetric flow of premix assist air during the 15-minute block period, scf.

$Q_{a,perimeter}$  = Cumulative volumetric flow of perimeter assist air during the 15-minute block period, scf.